Work Orde November-30-12				*941				Page 1			
Revision ID: Item Name:	D3916-5  Light Rib  11/30/12  12/14/12	Start Qty: 6.00 Req'd Qty: 6.00	9	Accept	*N900  Cust Item I Customer:		100	)* s	etup Star Stop	1/1	S1* S2*
Reference: Approvals:	Process Pla	n: <u>MC</u> 5		> Tooling:		ate:	_	R	tun Star Stop	1/	R1*
	QC:		Date:	<b>SPC (Y/N):</b>	D:	ate:				*N	R2*
Sequence ID/ Work Center ID	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revi	ision Nbr									
D3916	A	-									
100		-		0.00			-			. 0	. 4 />
*100* Large Fab Large Fab			tube with manuel pipe bender					9	_\$	1) 1	V/J. Z
			e line at 9.00" annd use jig for access tube material to finish s								
110		QC6- Inspect dimensi	ions to drawing	0.00				(D)	12 12 2	,	DAS
*110* QC Quality Control		Memo		0.00					19-19-5	۸۱	
120		Identify as per dwg &	: Stock Location:₩.Å.	0.00							DAC
*120* Packaging		M.	004	0.00				(9)	19-8-9	x\	_ ( <u>0</u> 9
1 avnuging		Memo		0.00							.0.5

Packaging

									DQA:	Date:	
NCR: Yes	/ No				WORK ORDER NON-C	ONFOR	QA Closed:	Date:			
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No.					Rework Scrap Use-as-is Work Order Update		Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite	Pro Rec/Sto	Engineering Quality Other	
Root				Descri	ption of work order update	Initial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chief Eng	nief Eng Description			Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											

## **FAULT CATEGORY Landing Gear** General Bend Grain Ovalized Pressure/Forced Bending BOM/Route Centre Not Concentric to O/S Hardware Over/Under tolerance Temperature/Cure ūΓ Cracks Broken/Damaged Part Incorrect Weld Inspection Incomplete Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Maintenance Contamination Part Moved Mislabeled Positioned Wrong Heat Treat Countersink Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Ripples in Bend Drill Holes Offset Torque Waves in Extrusion Out of Calibration Drawing Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio **Outside Dimensions**

Setup
Other
Process
Supplier
Training
Unapproved

Work Ord November-30-1				*941			Page	2			
Item ID: Revision ID: Item Name:	D3916-5 Light Rib			Accept	*N900	<b>040</b>	100	etup Start Stop	1/1/2/1	) I	
Start Date: Required Date Reference:	11/30/12 Start Qty: 6.00 12/14/12 Req'd Qty: 6.00		*6* *6*		Cust Item I Customer:	D:					
Approvals:	Process P	lan:	Date:	Tooling:	D:	ate:		R	tun Start	"INK I"	
	QC:		Date:	SPC (Y/N):	<b>D</b> a	ate:			Stop	*NR2*	
Sequence ID/ Work Center I	ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Insp. Number Stamp	<del></del>
130		QC21- Final Inspection	- Work Order Release	0.00					13	1,100	
*130* QC Quality Control		Memo		0.00				<u> </u>		( MK	
										12-13	12

											DQA:	Date:			
NCR:	Yes	/ No				WORK ORDER NON-CONFORMANCE / UPDATE									
										QA Closed:	Date:				
Work Ord	er.					DISPOSITION	AGAINST DEPARTMENT/PROCESS								
Part No						Rework Scrap Use-as-is Work Order Update	Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing  Large Fab Composite			4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other			
Root		Descrip				ption of work order update	Initial	Act	tion	Sign &	_				
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Desci	ription	Date	Verification	QC Inspector		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved										·					
						<del>· · · · · · · · · · · · · · · · · · · </del>	AUL	LT CATE	GORY						
Landi	ing Gear  Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube				o/s	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Inspecti Instruct Mainte Mislabe Misreac	Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled			tolerance ct issing  Wrong (Surge	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other		
	Ripples in Bend					Drill Holes	1	Offset							

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

## **Picklist Print**

November-30-12 9:34:46 AM

Work Order ID:

94164

Parent Item:

D3916-5

Parent Item Name:

Light Rib

**Start Date:** 11/30/12

Required Date: 12/14/12

Page 1

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: new issue DD 09.11.23 verified by:EC 10.03.15 verified by:EC IPP Rev:B as per dwg revA

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.500W.049		Purchased	No			100	f	1,222.8199	4.166	26.311579			
Square Tubing				Location		Loc Oty	<u>Lo</u>	c Code		SAD	10	42.	-21
				MAT018		52.74992							
				12	2413	52.74992							
				WA006		1170.070015							
				11	8460	0.00001534			·				
				12	1808	0.07			Atti F	77 <b>- 4</b> 7 1			
				12	2938	585			39.0	1674			
				12	3565	585							

												DQA:	Dat	e:		
NCR:	Yes	/ No				WORK ORDER NON-	CO	NFORM	MANCE / UP	DATE		OA Clasad	 Dat			
						Y	•	<u> </u>			_	QA Closed:	Dat	е.		
Work Ord	er.					DISPOSITION		AGAINST DEPARTMENT/PROCESS								
						Rework		Skid-tube		Water Jet			Engineering			
Part	No.					Scrap	1	·	Machining	Crosstube Small Fab	_	Pro	d. Eng. Coor.	ᅦ	Quality	
						Use-as-is	Therm	noforming	Finishing		Rec/Sto	re/Packaging		Other		
NCR	No.					Work Order Update			Large Fab	Supplier						
Root					Descri	ption of work order update	Initial	Initial Action			Sign &					
Cause		Date	Step	Qty	(	or Non-conformance	CI	hief Eng	Desc	ription		Date	Verification	<u> </u>	QC Inspector	
Doc/Data																
Equip/Tooling																
Operator																
Material																
Setup																
Other							1									
Process																
Supplier							1									
Training																
Unapproved								;								
							FAU	LT CATE	GORY							
Land	ing (	Gear				General		_		-		_	_			
	Bending					Bend		Grain				Ovalized			Pressure/Forced	
		Centre N	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re			Over/Under	tolerance		Temperature/Cure	
:		Cracks				Broken/Damaged		Inspecti	on Incomplete			Part Incorre	ct		Weld	
Crushed/Crimped						Burrs		Instruct	ions Incomplete/	Unclear		Part Lost/Missing Wrong Stock			Wrong Stock Pulled	
	Г	Cuffs				Contamination		Mainte	Maintenance				Part Moved			
	Г	Heat Trea	at			Countersink		Mislabe	led		Positioned Wrong					
		Inspectio	n Strip in	Tube		Cut Too Short		Misread	i		Power Loss/Surge			Other		

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Ripples in Bend

Turning Sequence

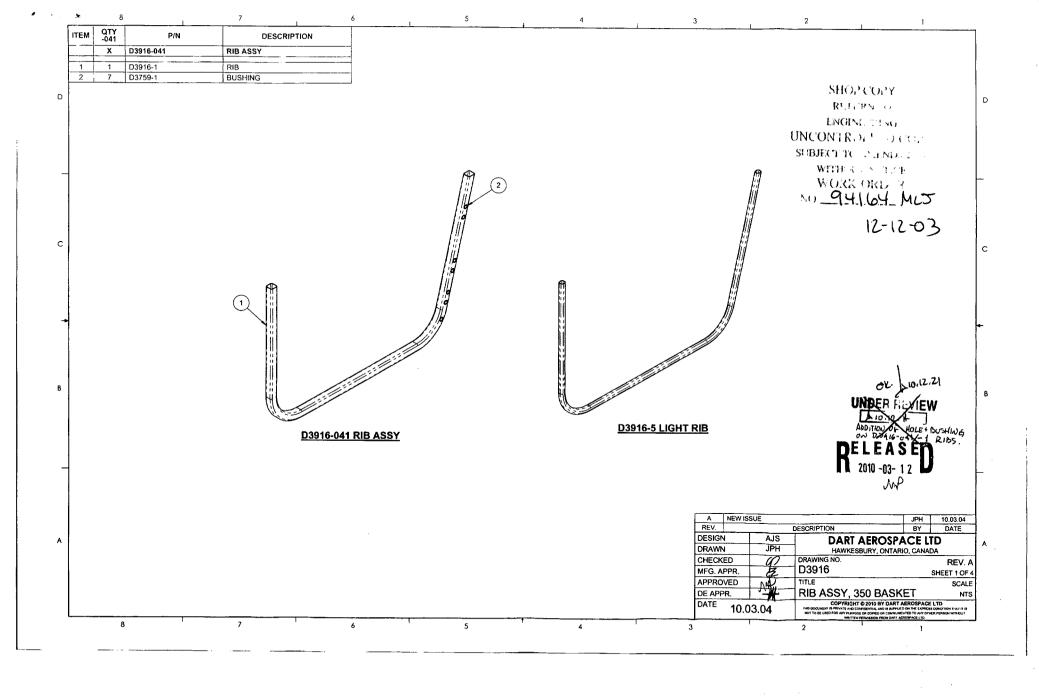
Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish Folio



94164 D -D3916-1 RIB С D3759-1-BUSHING 7 PL **D3916-041 RIB ASSY** NOTES:
1) MATERIAL: N/A
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: NONE
7) WEIGHT -041: 1.84 lbs
8) WELD PER DART QSI 004 DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA AJS DRAWN JPH

CHECKED DRAWING NO. REV. A D3916 MFG. APPR. SHEET 2 OF 4 APPROVED TITLE SCALE RIB ASSY, 350 BASKET DE APPR. NTS COPYRIGHT © 2010 BY DART AEROSPACE LTD
THIS DOQUMENT IN PROVIDE THE CONFIDENTIAL MICH SHIPLED ON THE EXPRESS CONDITION OF THE SECOND TO SECURED FOR MAY PURPOSE ON COMPANION CONTROL TO MAY OTHER PREMI DATE 10.03.04

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